March 2020
901053-001
Rev 01

TouchTunes
An OCTAVE GROUP Company

FRU Installation Guide
Replacing Angelina's Lock Assembly

Purpose

This document explains how to replace the lock assembly using the Lock Assembly Field Replacement Unit (FRU) kit (P/N 600280-001) on Angelina jukeboxes (both payment and MP models).

Audience

- TouchTunes Angelina jukebox operators
- TouchTunes Field Service and Customer Support

This document includes tasks of the following type:

☐	Software
☐	Electrical
☑	Mechanical

Estimated Time

30 minutes

Required Personnel

1 technician

Topics

- Required Tools and Equipment
- Important Safety Information
- Included in the Kit
- Turning off Angelina
- Replacing the Striker Assembly (if needed)
- Removing the Lock Assembly
- Assembling the Replacement Lock Assembly
- Installing the Replacement Lock Assembly
- Contacting TouchTunes Technical Support

Required Tools and Equipment

- Phillips #2 screwdriver
- Nut driver or ratchet, 7mm socket
- Open end wrench, metric, 13mm (if replacing the striker assembly)
- Hex head screwdriver or hex key, 3mm

Important Safety Information

WARNING: When performing this procedure or any other maintenance on your jukebox, the unit must be powered off.

Included in the Kit

The parts in this FRU kit are designed to repair an Angelina jukebox that cannot be closed and locked properly, due to its door lock mechanism being damaged. Extra parts are provided in case the striker assembly has been damaged. Ensure that you have received all required parts before proceeding with this installation.

Part	Quantity	TouchTunes Part #
MAN, FRU, LOCK ASY (this document)	1	901053-001
Bagged Keylock Components		
HWR, KEYLOCK	1	400832-001
MET, KEYLOCK CAM	1	401604-001
HWR, Plastic Clip for Rotary Latch L	2	400298-001
MET, ROD KEYLOCK	1	401573-001
FAS, SCR, X-CSNK, M5X25, ZN	2	200265-025
HWR, Rotary Latch	1	400275-001
Bagged Striker Components		
FAS, SCR, X-PAN, M4x8, ZN (replacement screws)	2	200020-008
FAS, WSHR, EXT-T SE, M8, ZN	1	200010-008
FAS, NUT, M8, SS	1	200266-008
MET, BRKT, STRIKER	1	401545-001
HWR, STRIKER 3 (bolt)	1	400310-003

Turning off Angelina

1. Open the Angelina jukebox.
2. Press the **MNGR** button on the I/O Board to open the Operator interface main menu.
3. On the Angelina screen, press the **REBOOT** button.
4. When you hear the BIOS beep, power down Angelina by setting the rocker switch on the Power Supply Unit (PSU) to the OFF (**O**) position.

IMPORTANT: Never shut down or unplug Angelina without first performing a reboot and waiting for the BIOS beep. Doing so can cause damage to the hard drive and make it unusable.

Replacing the Striker Assembly (if needed)

If the striker assembly on the back part of the Angelina jukebox whose door lock you are replacing has been damaged, you can replace it using the parts in this kit. If the striker assembly is undamaged, skip this section.

1. Find and remove the two screws that hold the damaged striker assembly in place.

Figure 1: Removing the screws that hold the striker assembly in place

2. Remove the damaged striker assembly from the jukebox.
3. Remove the replacement striker assembly items from the "Striker Components" bag. This includes the striker bracket, a bolt, a washer, and a nut. Two screws are also provided in case the screws removed in step 1 have been damaged or lost.

4. Assemble the replacement striker components as follows.

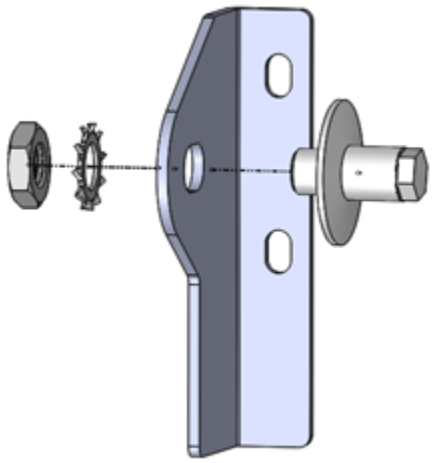

Figure 2: Assembling striker components

5. Place the striker assembly into position inside the Angelina jukebox.
6. Using two of the screws provided with your kit (bagged with the replacement striker assembly components) or the ones you removed earlier, fasten the striker assembly to the inside of the Angelina jukebox.
7. Close the Angelina door and verify that the locking mechanism latches securely onto the striker. If the locking mechanism does not latch properly, adjust the horizontal position of the striker bolt and/or adjust the vertical position of the striker bracket until the locking mechanism latches properly. Once you are satisfied that the locking mechanism latches onto the striker assembly securely, tighten the bolt and/or screws loosened to make your adjustments.

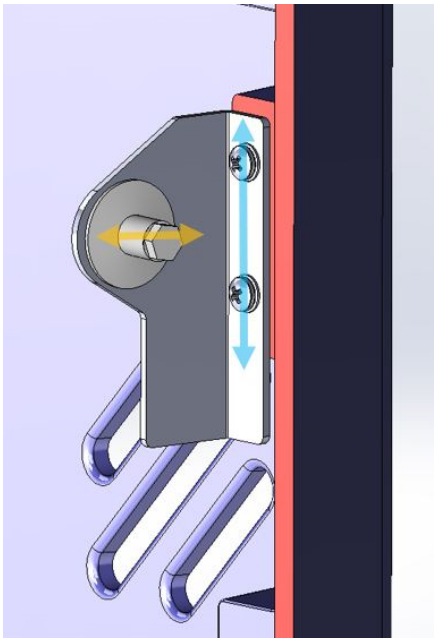

Figure 3: Striker adjustment

Removing the Lock Assembly

1. Remove the screw that secures the lock assembly to the lock barrel.

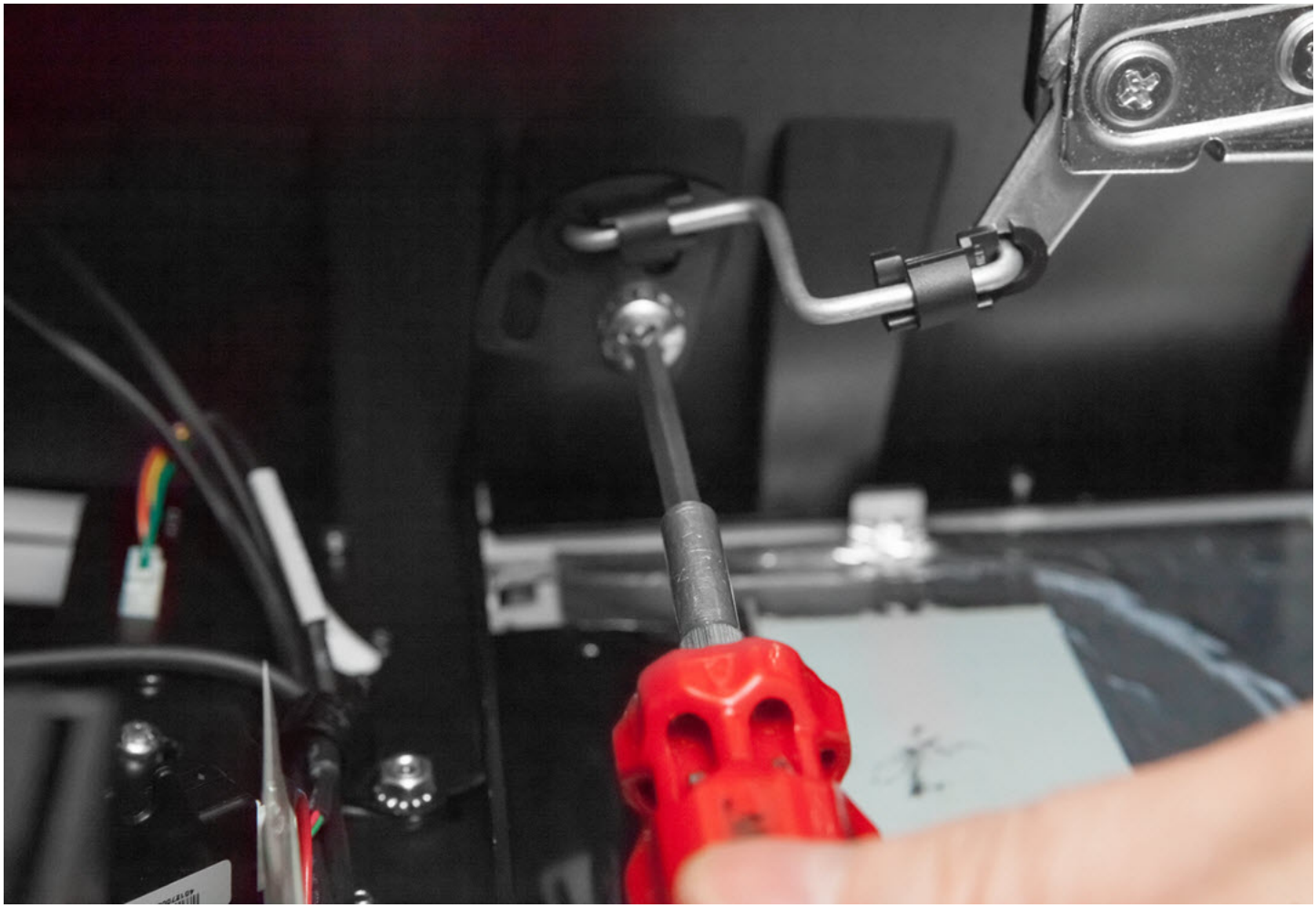

Figure 4: Removing the screw from the lock barrel (payment model shown)

2. Remove the screws off of the lock assembly bracket.

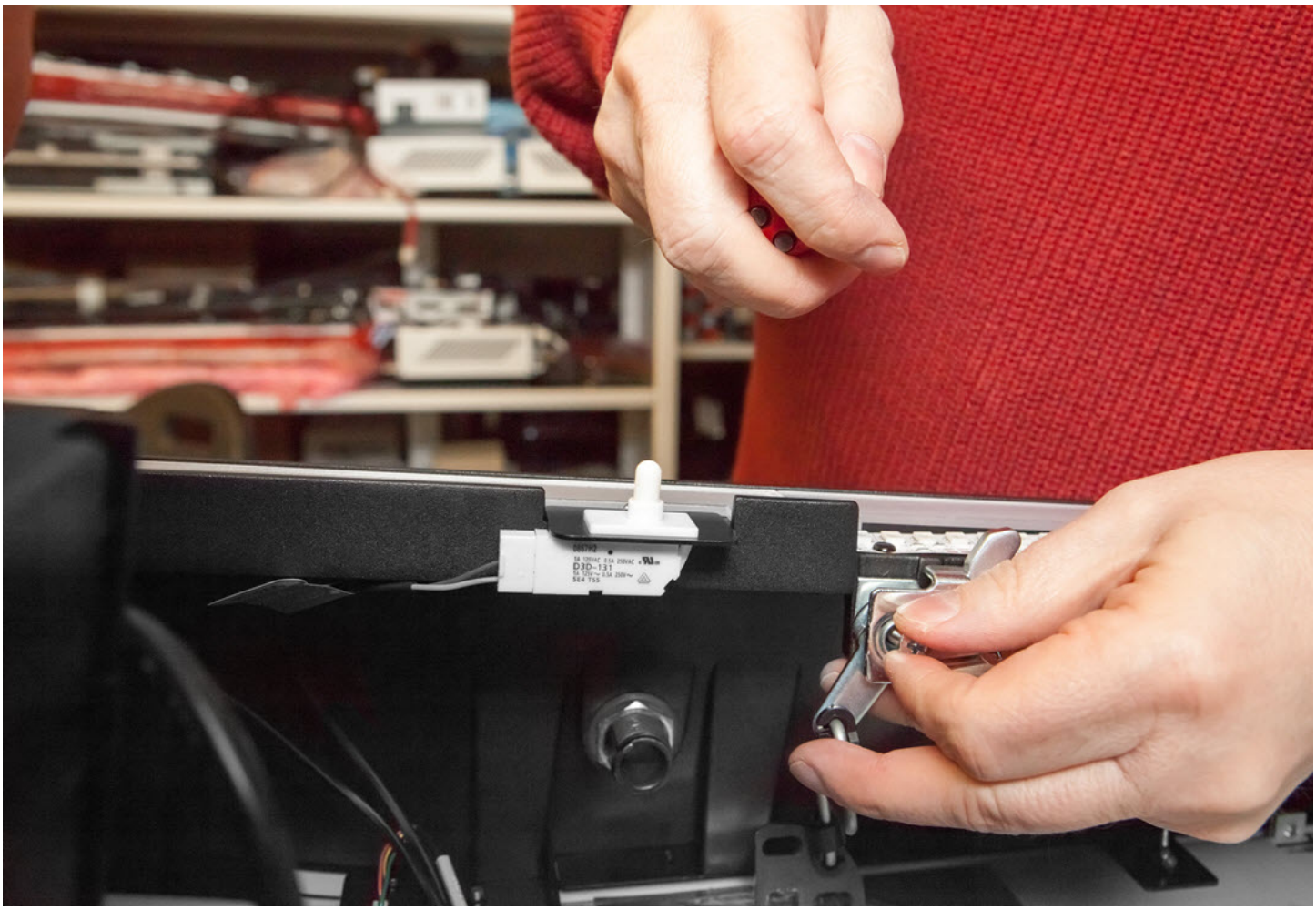

Figure 5: Removing the lock assembly screws (payment model shown)

NOTE	The Angelina door was removed from the jukebox to make it easier to take the picture above. The actual removal of the lock assembly can be done without removing the door from the jukebox

Assembling the Replacement Lock Assembly

1. Remove the items from the "Keylock Components" bag. This includes a keylock, a metal cam, 2 plastic clips, a metal rod, 2 screws, and a rotary latch.
2. Snap the plastic clip for the rotary latch onto the lever part.

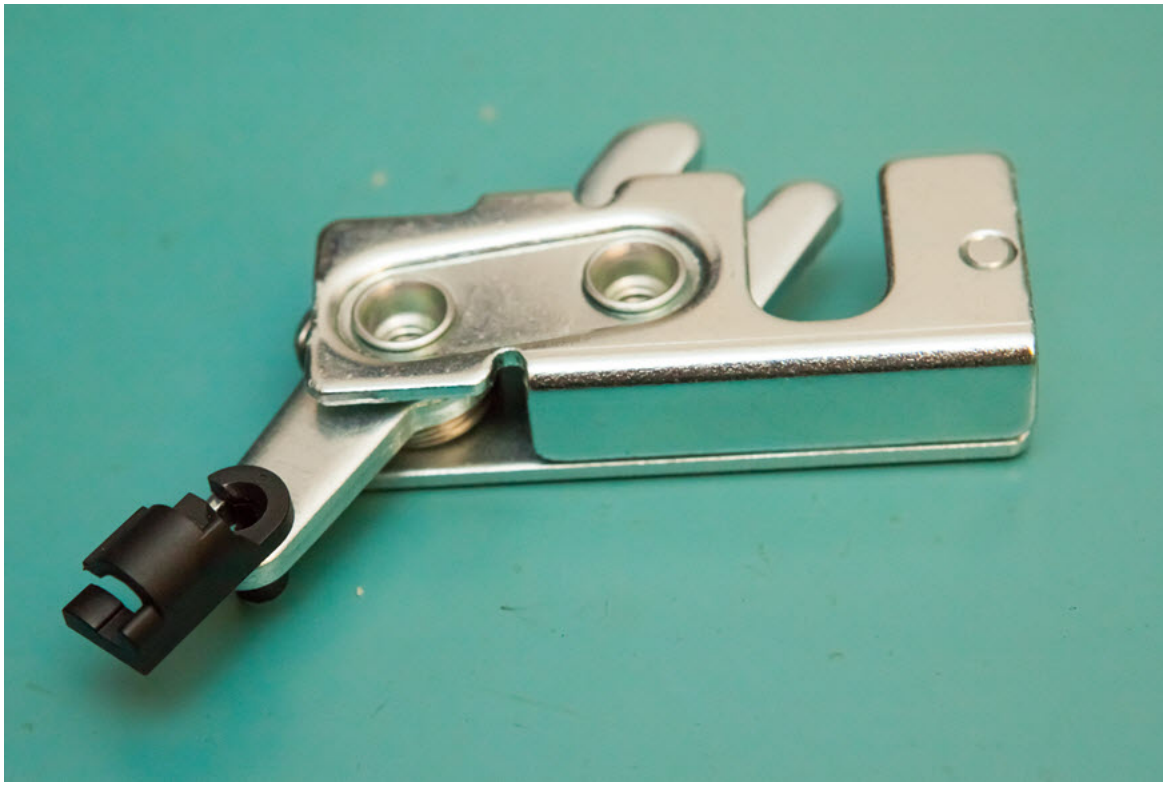

Figure 6: Installing plastic clip onto the rotary latch lever

3. Snap the remaining plastic clip onto the metal cam as shown in the following figure.

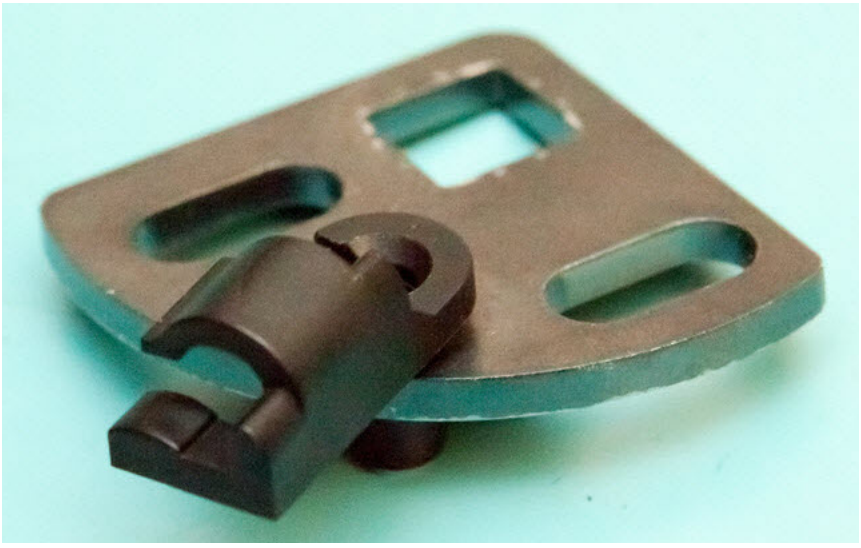

Figure 7: Installing plastic clip onto the metal cam

4. Insert one end of the long metal rod into the hole of the plastic clip you inserted into the rotary latch, then snap the plastic clip onto the rod as shown in the following figure.

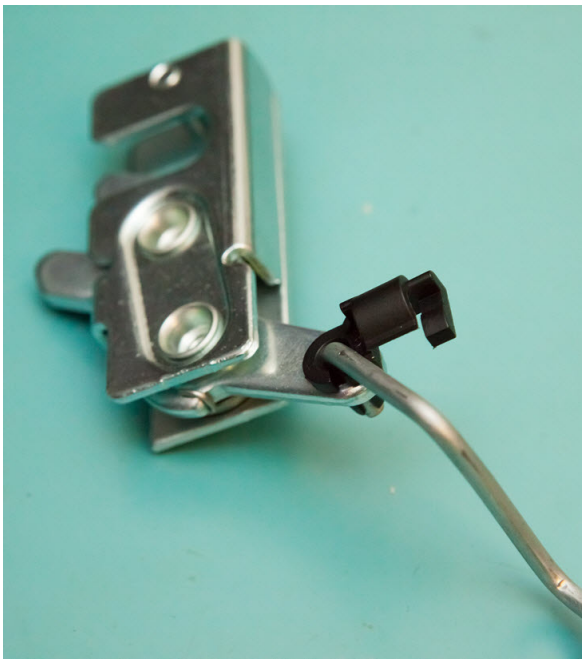

Figure 8: Fastening metal rod to rotary latch lever using plastic clip

5. Insert the other end of the metal rod into the hole of the plastic clips you snapped onto the metal cam, then snap the clip onto the rod.

Figure 9: Fastening metal rod to the metal cam using plastic clip

6. Add the screws removed from the "Keylock Components" bag.

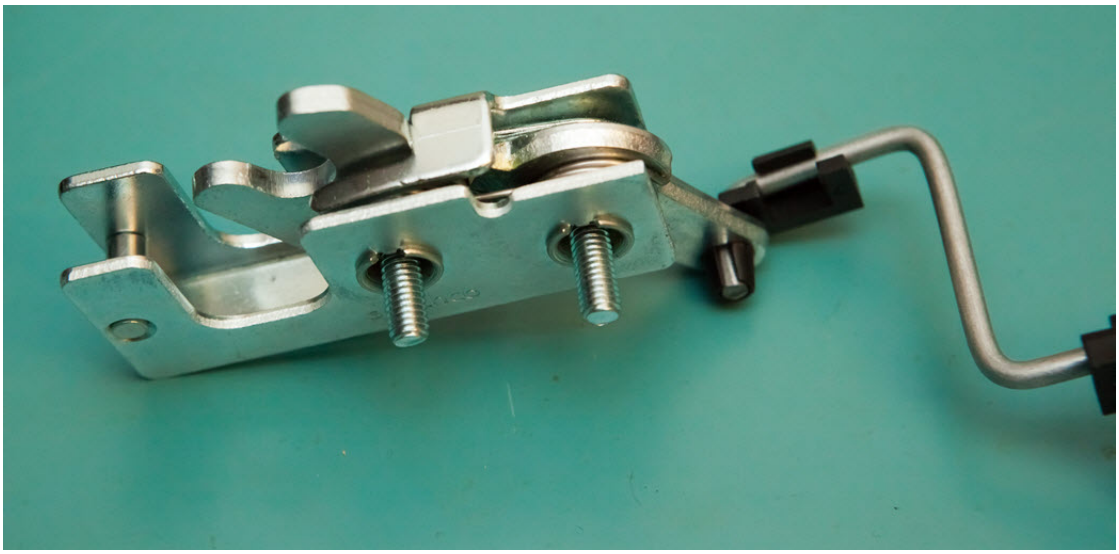

Figure 10: Adding screws to the assembly

Your door lock assembly is now ready to be installed inside the Angelina jukebox.

Installing the Replacement Lock Assembly

NOTE	The Angelina jukebox door was removed from the jukebox to make it easier to take the pictures in this section. The actual installation of the lock assembly can be done without removing the door from the jukebox

1. Align the rotary latch with its installation holes.
2. Fasten the latch using the screws you installed on the assembly in the previous procedure.

Figure 11: Fastening the rotary latch to the Angelina jukebox (payment model shown)

3. Insert the replacement key lock into its exterior hole.

Figure 12: Inserting the key lock

4. Align the metal cam's square hole onto the square ending of the key lock in the interior of the jukebox.

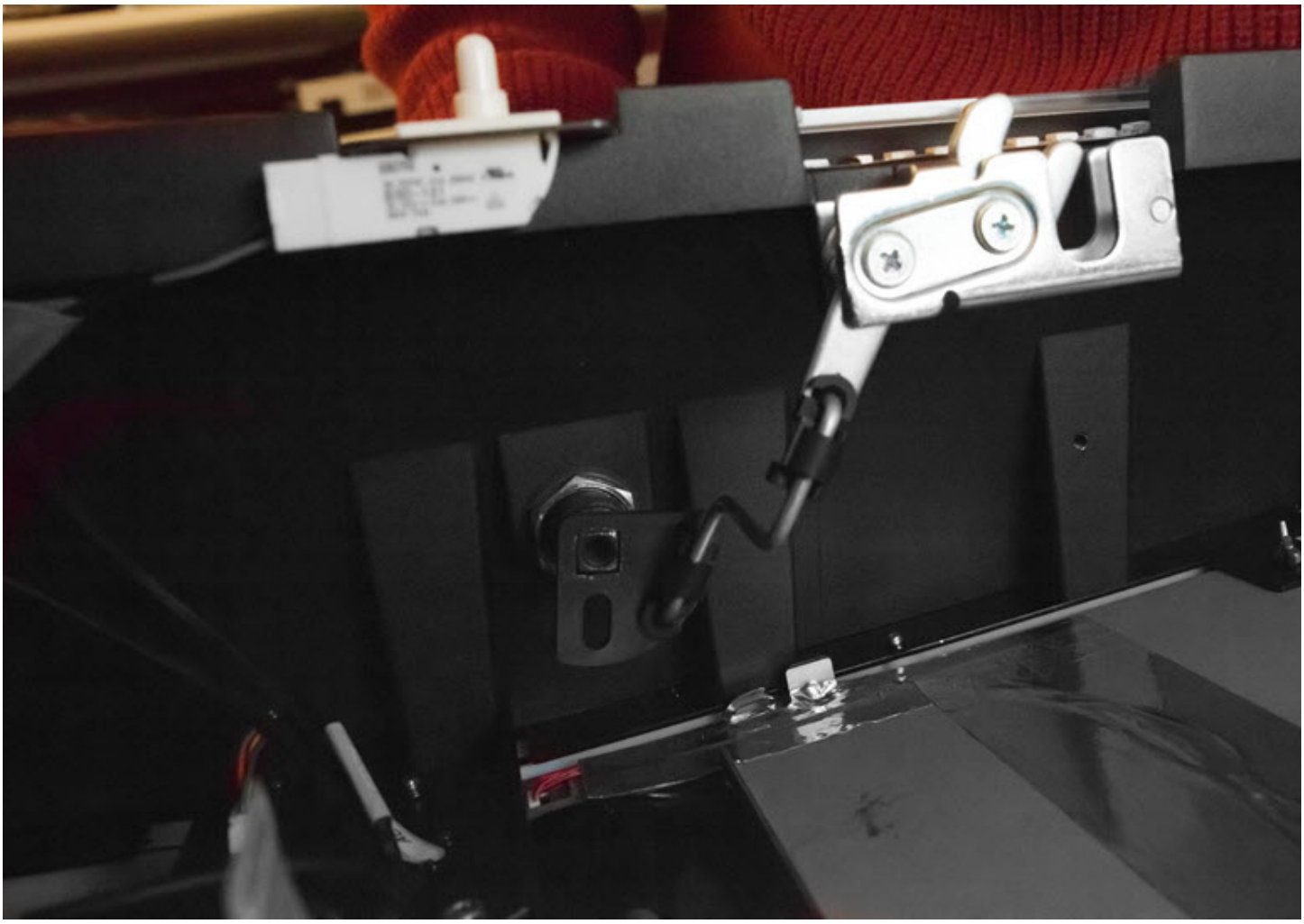

Figure 13: Positioning the metal cam (payment model shown)

5. Insert the screw that goes into the key lock, and tighten until the metal cam is locked onto the key lock, and turns when you turn the key.
6. Insert the key into the lock and turn it. Verify that the entire lock assembly moves correctly, and that the latch opens as it should. If the mechanism does not turn smoothly, move the metal rod in the hole where they connect with the metal cam, until you find a configuration that lets the entire mechanism move as it should.
7. Ensure that the door can freely open, close, latch, and lock.

You have now completed the replacement of the lock assembly.

Contacting TouchTunes Technical Support

If you need help or have questions about this guide, call the TouchTunes Tech Line at 888-338-5853.

To help us assist you more effectively with problem reports, the following information may be required when contacting TouchTunes support:

- Jukebox model and ID
- Operator ID
- Serial number of the component(s) you believe to be defective
- Date/time of the problem
- Actions performed immediately before the problem occurred
- Any additional comments relevant to the problem

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